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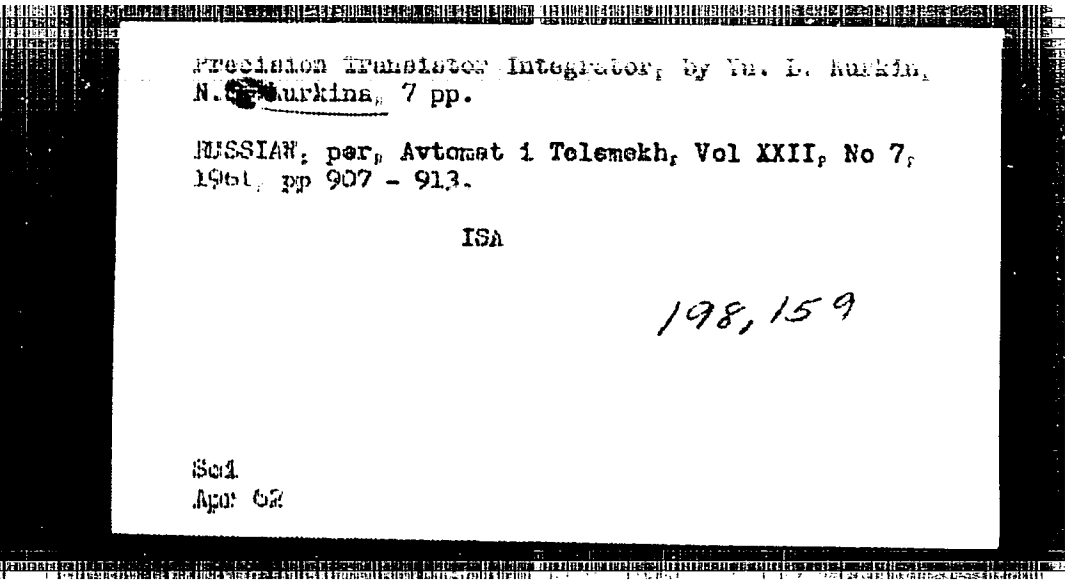

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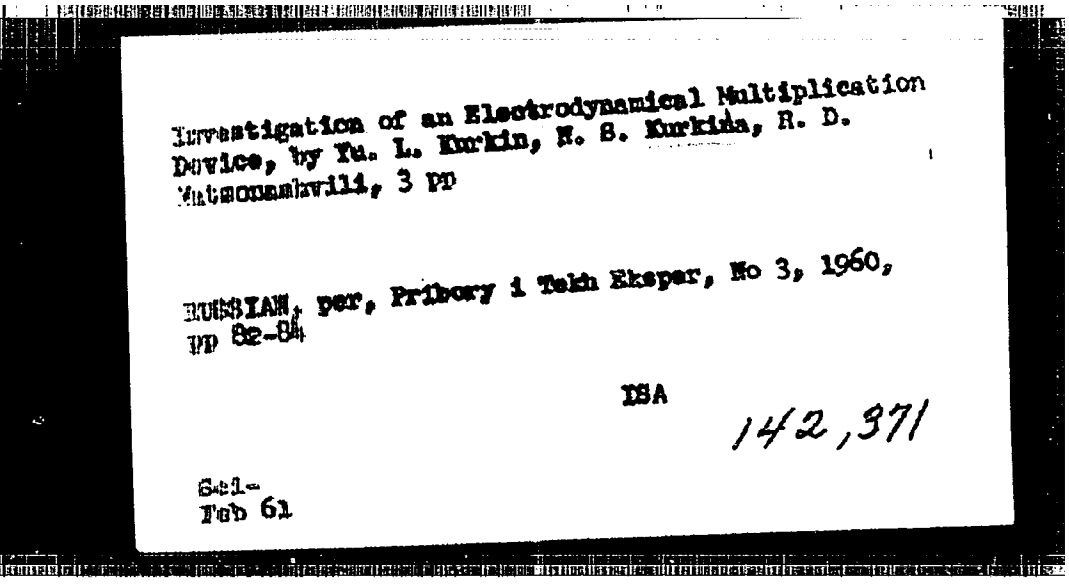

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Order from SLA $1.60 61-18680

Trans. of Tokyo Kogyo Shikensho Hokoku (Japan) 1961, v. 56, no. 2, p. 59-63.

DESCRIPTORS: *Ammonia, Chemical reactions, *Melamine, Synthesis, Pressure, Decomposition, Condensation reactions, *Cyano radicals, *Guanidines.

The study was conducted as proof of the effect of ammonia in the ammonia-pressurization method. First, dicyandiamide was fused into a thin layer at 213°C in order to avoid the accumulation of reaction heat, and by analysing the composition of the reaction system at regular intervals, the intermediate formation of cyanamide, biguanide, cyanomelamine, (Chemistry--Organic, TT, v. 7, no. 5) (over)

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III. Title: Studies...

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Vol 4, No 10

APPROVED FOR RELEASE: 08/15/ 2001 CIA-RDP84-00581R000100310011-1

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Kurabayashi, Masahiro and Yanagiya, Koshin.
A STUDY OF THE DEAMMONIATION REACTION.
Rept. no. 5 of Studies on Ammonia-Pressurized Synthesis of Melamine. [1961] 12p. 10 refs.
Order from SLA $1.60 61-18680

Trans. of Tokyo Kogyo Shikensho Hokoku (Japan) 1961, v. 56, no. 2, p. 59-63.

DESCRIPTORS: *Ammonia, Chemical reactions, *Melamine, Synthesis, Pressure, Decomposition, Condensation reactions, *Cyano radicals, *Guanidines.

The study was conducted as proof of the effect of ammonia in the ammonia-pressurization method. First, dicyandiamide was fused into a thin layer at 213°C in order to avoid the accumulation of reaction heat, and by analyzing the composition of the reaction system at regular intervals, the intermediate formation of cyanamide, biguanide, cyanomelamine, (Chemistry--Organic, TT, v. 7, no. 5) (over)

61-18680

I. Kurabayashi, M.
II. Yanagiya, K.
III. Title: Studies...

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Kurabayashi, Masahiro and Yanagiya, Koshin.
PREPARATION METHOD FOR 2-CYANAMINO-4-6-DIAMINO-1-3-5-TRIAZINE (CYANOMELAMINE OR MONOCYANOMELAMINE). [1961] 5p.
Order from LC or SLA mi$1.80, ph$1.80 61-10611

Trans. of Japanese patent application no. 26th Showa (1951)-5366, appl. 13 Apr 51, official notice, 22 Oct 52, official notice of application for patent 27th Showa (1952) 4332.

The method is characterized by the synthesis of 2-cyanamino-4-6-diamino-1-3-5-triazine (cyanomelamine or monocyanomelamine) by the heating of dicyandiamide or cyanamide or a mixture of the two under ammonia-pressurization to below 170°C.

(Chemistry--Organic, TT, v. 5, no. 10)

61-10611

1. Melamine--Synthesis
I. Kurabayashi, M.
II. Yanagiya, K.
III. Patent (Japan) pub. 27-4332

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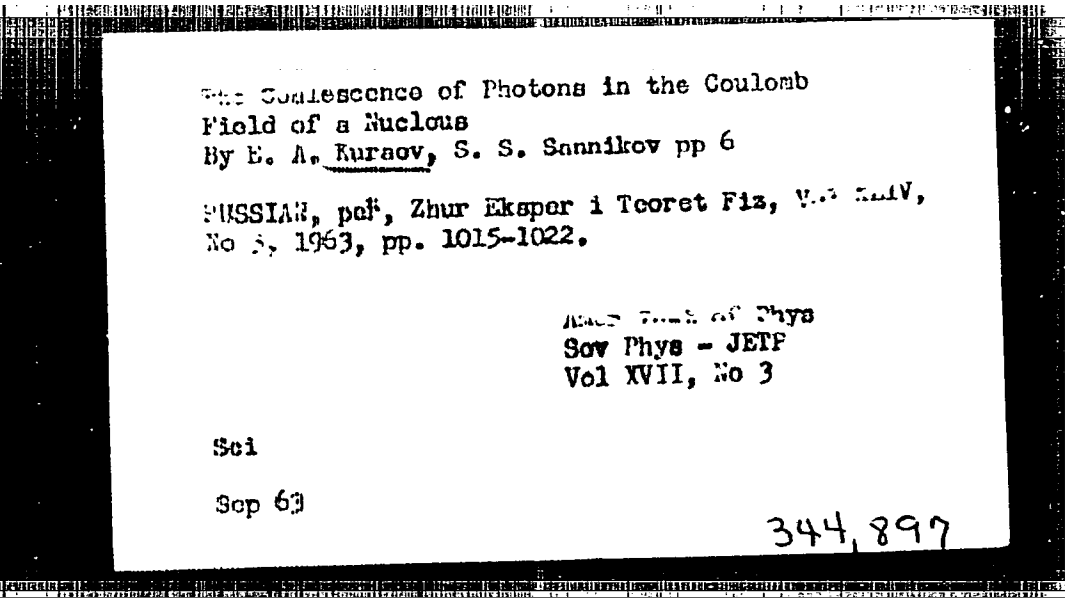

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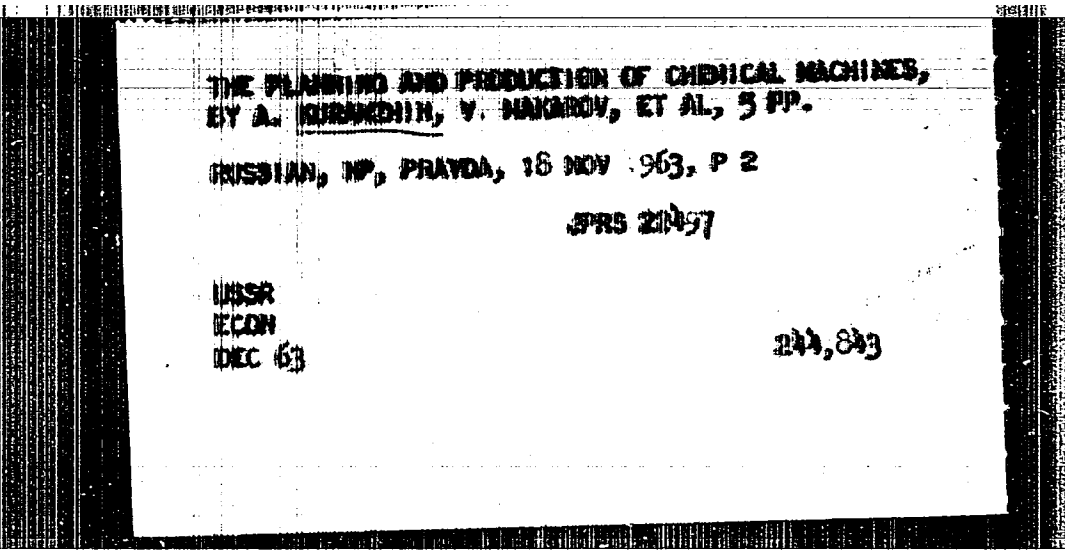

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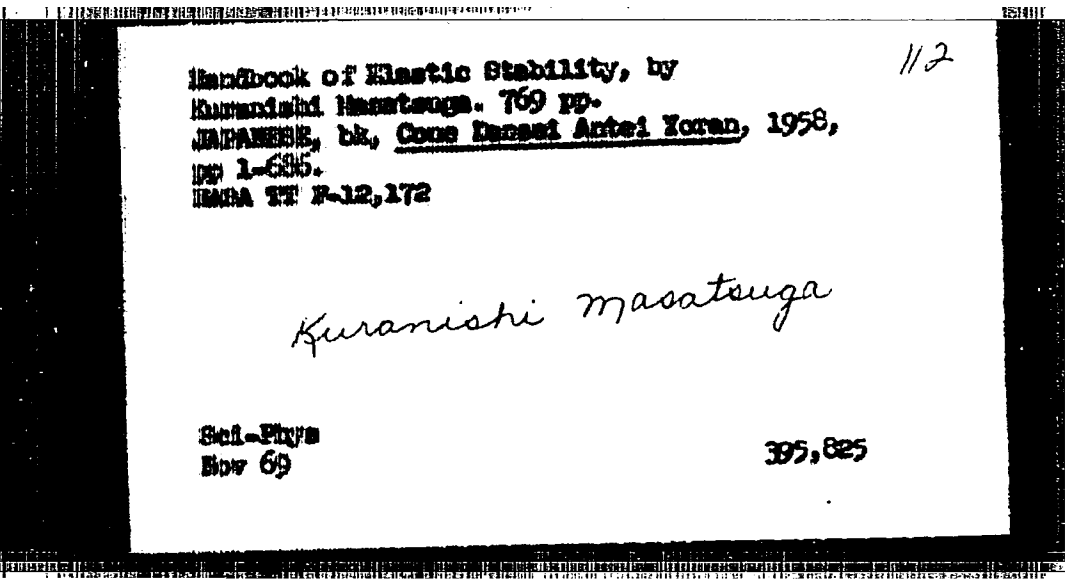

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DESCRIPTORS: *Silver, *Spectrographic analysis, High temperature research., Determination.

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